

Subject : Fundamentals of Information Technology

Day : Wednesday

Date : 01/06/2016



Time : 10.00 AM TO 1.00 PM

Max Marks : 80 Total Pages : 1

N.B.

- 1) Attempt any **FIVE** questions from Section – **I** and attempt any **TWO** questions from Section - **II**.
 - 2) Answers to both the sections should be written in the **SAME** answer book.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION - I

- Q.1** List and explain important characteristics of computer. (10)
- Q.2** Draw a block diagram of basic organizations computer system? Explain the functions of various unit. (10)
- Q.3** How many types of storage are normally their in the storage unit of a computer system? Justify the need for each storage type. (10)
- Q.4** a) Add binary number 1010110 and 1011010. (10)
b) Subtract binary number 0110111 and 1101110.
- Q.5** Differentiate between a sequential access and random access storage device? Write one example for each. (10)
- Q.6** What is software? Explain different types of software. (10)
- Q.7** What is mean by operating system? Explain the main function of an operating system. (10)

SECTION - II

- Q.8** What is network topology? Describe this network topology in common use. Write their relative advantages and disadvantages. (15)
- Q.9** What is batch processing? How jobs are typically executed in batch processing system (15)
- Q.10** Write short note on any **THREE** of the following (15)
- a) Electronic mail
 - b) File operations
 - c) Dot matrix printer
 - d) Mouse
 - e) Image scanner

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